

YARN WITH HEAT-ACTIVATED BINDER MATERIAL
AND PROCESS OF MAKING

ABSTRACT OF THE INVENTION

- 5 Yarn suitable for tufting comprises a base fiber ring spun or
wrap spun with a second fiber at least partially comprising a heat-activated
adhesive material such that the yarn includes from 0.1 to 12, preferably
0.25 to 10, weight percent adhesive material having a melting point within
the range of 105° to 190°C, more preferably 165° to 190°C. A preferred
10 base fiber is a synthetic staple fiber bundle. A preferred wrapping or insert
fiber comprises copolyamide material, including ternary copolyamides of
the 6/66/12 type. When the yarn is twist set by conventional processes
and then tufted into carpet, the resulting carpet displays enhanced wear
and appearance properties.